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(WO/2001/056756) TREATMENT OF NATURAL POLYMER BASED MATERIALS AND THE PRODUCTS BASED THEREON

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Title: TREATMENT OF NATURAL POLYMER BASED MATERIALS AND THE PRODUCTS BASED THEREON

Abstract: A method for modifying a substrate containing a natural polymeric material to improve its interaction with other materials, the method comprising: A) Treating the substrate containing the natural polymeric material with a modifying agent selected from the group consisting of organo-functional coupling agents and multi-functional amine containing organic compounds; and B) optionally exposing the substrate containing natural polymeric material with one or more treatments selected from the group consisting of: i) subjecting the substrate to extraction with a solvent to reduce the content of extractable materials associated with the natural polymeric material prior to or during treatment with the modifying agent; ii) treatment with a physical field selected from static physical fields, high-frequency alternating physical fields and combinations of two or more thereof either prior to, during or after treatment with the modifying agent; and iii) oxidation of at least part of the natural polymeric material prior to or during treatment with the modifying agent.

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